Data Sheet (Cat.No.TSW-00814)

TargetMol

Lipopolysaccharides, from P. aeruginosa 10

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Lipopolysaccharides from P. aeruginosa (Pseudomonas aeruginosa) 10 are endotoxins and TLR4 activators that originate from the bacterium P. aeruginosa 10, classified as S-type LPS. They exhibit a characteristic tripartite structure: an O antigen, a core oligosaccharide, and lipid A. The lipopolysaccharides from P. aeruginosa 10 are distinct due to their unique fatty acid composition, an unusually high level of phosphorylation (identified as triphosphate residues), and a distinctive outer region in the core oligosaccharide. Moreover, their O-specific side chains are typically rich in novel amino sugars. These lipopolysaccharides display susceptibility to viruses, with their viral sensitivity being influenced by the molecular weight polysaccharide content. A reduction in high-molecular-weight polysaccharides increases their sensitivity to bacteriophages.
Targets(IC50)	TLR

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